

72KW Gen Set
0115NRC 624558

DD Form 1423-1, JUN 90

PREVIOUS EDITIONS ARE OBSOLETE. PAGE 1 OF 1 PAGES

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)Form Approved
QMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.		R. EXHIBIT C001		C. CATEGORY: TDP		TM <input checked="" type="checkbox"/> OTHER	
D. SYSTEM / ITEM 72KW Generator Set		E. CONTRACT / PR NO.		F. CONTRACTOR			
1. DATA ITEM NO.	2. TITLE OF DATA ITEM Technical Manual Contract Requirements (TMCR)			3. SUBTITLE			
4. AUTHORITY (Data Acquisition Document No.) TM-86-01J (TMCR)		5. CONTRACT REFERENCE		6. REQUIRING OFFICE WR-ALC/LKCB			
7. DD 250 REQ DD	9. DIST STATEMENT REQUIRED C	10. FREQUENCY BLK16	12. DATE OF FIRST SUBMISSION 30 DAC	14. DISTRIBUTION a. ADDRESSEE Draft b. COPIES FINAL Reg Repro			
8. APP CODE A		11. AS OF DATE BLK16	13. DATE OF SUBSEQUENT SUBMISSION BLK16				
16. REMARKS BLK 4: General and specific Technical Manual requirements are contained in the attached TM 86-01J. BLK 7: DDForm 250 requirements are applicable to WR/LKCB for inspection and acceptance. BLK 8: Approval IAW TM 86-01J, Para. 16. BLK 9: Distribution statement is required. Use Distribution C with reason Administrative or Operational Use (Refer to DoDD 5230-24). BLK 10 & 15: See TM 86-01J.				See TMCR 86-01J			
				15. TOTAL			
G. PREPARED BY James Swain WR-LKCB(TAMSCO) Contractor		H. DATE 21 Oct. 2002		I. APPROVED BY Sherry Dement <i>Sherry Dement</i>		J. DATE 21 Oct. 2002	

Air Force Technical Manual Contract Requirements (TMCR)
for
72KW GENERATOR SET
NSN 6115-NCC624558

(Program/Modification/Military System)

ATTACHMENT _____ TO CDRL SEQUENCE NUMBER _____ EXHIBIT FD2060-01-71048P

REQUEST FOR PROPOSAL/CONTRACT: _____

Date: 21 Oct. 2002 (Data Call LE-02-0409)

Technical Manual/Technical Order requirements contained herein have been cleared for use by OMB No. 0704-0188, 21 July 1986.

SECTION 1. TECHNICAL ORDER (TO) PROGRAM REQUIREMENTS

1. **TMCR Tailoring.** (T) Offerors MUST tailor this TMCR document, including the associated tables, matrices and Specification/Standard Interface Requirements (SIRs). The tailored TMCR shall be attached to the CDRL for TO delivery, and shall be included in the proposal as a separate exhibit, referenced in the proposal SOW. Proposals shall be compatible with the Air Force infrastructure and support the **72KW Generator Set** Program's CALS implementation strategy as documented in the Government Concept of Operations (GCO, located at Robins AFB GA. 31098-1640. Air Force TO Acquisition procedures, including procedures for tailoring this document, are found in TO 00-5-3, located on the World Wide Web (WWW) at URL <http://www.pdsm.wpafb.af.mil/toprac/to-syste.htm>. Any terms or procedures found in this document may be researched there.
2. **TO Program Scope.** (T) The offeror shall tailor Section 2 to propose the TO types (Table 1) and source data, TO updates and commercial manuals (Table 2) required to support the **72KW Generator Set** program's objectives. Page-oriented Military Specification (MILSPEC) TOs must be formatted with text, graphics and delivery according to MIL-STD-38784 and applicable performance or detail (MIL-PRF or MIL-DTL) specifications.
3. **Commercial Manuals.** **Deleted.**
4. **Technical Manual Specifications and Standards (TMSS) Tailoring.** (T) TMSS are tailored by deleting requirements not needed for program TOs, and by selecting between options offered. The tailoring is recorded in SIRs and added to Section 3 of this document. AF options in some Joint-Service TMSS have been documented in preliminary SIRs included in Section 3. Offerors shall complete tailoring of the Joint-Service TMSS SIRs and provide recommended SIRs for other TMSS or NGS as applicable. Questions and conflicts with TMSS requirements may be resolved by written request and justified suggestions for resolution submitted through the PCO to WR-ALC/LKCB Attn: Elizabeth Kirkland 460 Richard Ray Blvd. Suite 221, Robins AFB GA. 31098-1640 Approved recommendations, corrections and clarifications will be maintained with contract documentation.
5. **Subsequent TO/Data Requirements.** Offerors shall propose a process for notifying the government when additional TO or source data requirements are identified subsequent to contract award. This process shall require government review and approval of recommended additional requirements prior to contractual approval. **NOTE:** The recommended notification process is to use CFAE/CFE Notices (DI-TMSS-80067).
6. **TO Development.** (T) The Offerors shall propose TO development practices and procedures that ensure TOs and data are compatible with the Technical Order Concept of Operations (CONOPS) (https://www.afmc-mil.wpafb.af.mil/HQ-AFMC/DR/tovision/files_toconops/01dec00_toconops_rev3.3.doc) and the JCALS JTMS.

6.1. The preferred method is to use the TMSS specified in Section 2 to produce TO files (instances) tagged using Standard Generalized Markup Language (SGML) according to the DTDs referenced in the appendix to MIL-STD-38784 and each specification. **The offeror may recommend alternative digital delivery methods including Native Format (MS Word, Framemaker, etc.) however, these methods must be approved in advance by the TO Management Agency (WR-ALC/LKCB) prior to any work being performed.** Before developing any DTDs, the acquiring activity shall contact MSG/MMF for pre-approval. If permission is granted, the offeror must submit any Digital Support Suites (DSS) developed to support use of NGS, canceled TMSS or undeveloped TMSS DTDs through the PCO and TO Manager to MSG/MMF for validation of JCALS compatibility; new DTDs shall not be developed in lieu of existing DTDs, including those for legacy TMSS. DSS submitted and approved in execution of the contract shall become the property of the Government. Questions about the application of SGML tagging to digital TO files can be directed to sgmlsupport@wpafb.af.mil.

6.2. SGML-tagged TO files shall include required illustration files in an approved graphics exchange format (see "Graphics Guidelines" under "Vital Information" on the IDE TMSS/SGML web page (<http://www.pdsm.wpafb.af.mil/tmss/index1.html>)). See TO 00-5-3 for additional guidance.

NOTE: Illustration files developed and delivered for other purposes shall be used in lieu of developing special TM illustration files whenever possible.

6.3. A first article test sample of each TO type shall be forwarded to MSG/MMF for testing to verify that the digital TO files meet minimum AF standards. First article testing should be repeated whenever new DSS or DTD versions are used for TO development.

7. TO Numbering. Offerors shall propose a method for notifying the government of which manuals require TO numbers. TO numbers are not required for manuals to be used exclusively by contractor personnel. (**NOTE:** DI-TMSS-80067 may be used to provide the notification.) AF procedures for numbering TOs are described in TO 00-5-3 and AFMCMAN 21-1 (<http://www.pdsm.wpafb.af.mil/toprac/to-syste.htm>).

8. Data Rights. (T) Government rights in data are specified in the Defense Federal Acquisition Regulation Supplement (DFARS), paragraphs 227-7102 through 227-7104, located at WR-ALC/PK Robins AFB GA. (<http://www.pkec.robins.af.mil>) **Offerors shall propose Unlimited Rights for all source data and TOs prepared specifically for the contract.** If some TOs or source data are copyrighted or contain proprietary data or procedures, offerors may propose Limited Rights or Government Purpose License Rights (GPLR) only. commercial manuals should be provided with at least GPLR or Limited Rights. Copyrights shall be according to DFARS paragraphs 227-7103, 7105 or 7106.

9. Classification, Distribution, Destruction, Disclosure, and Export Control Notices. Offerors shall propose methods for determining, marking and controlling classified and restricted distribution data and TOs. Processes must conform to government requirements specified in DOD 5200.1-R, DODD 5230.24, AFIs 31-401 and 61-204, and MIL-STD-38784. **NOTE:** Distribution limitations are normally determined on a case-by-case basis as TOs are developed, dependent upon TO content.

10. TO Quality, Offerors shall propose a quality assurance program which ensures TOs prepared are: a) 100% technically accurate; b) written to a scope and depth of coverage sufficient to support the operations and maintenance concepts, and to the Reading Grade Level (RGL) specified in MIL-STD-38784; c) compatible with the JCALS JTMS; and d) properly classified and marked with export control and distribution limitation statements. Recommended QA methods include actual performance of procedures and use of desk-top analysis for non-procedural data. Simulation (walk-through/talk-through) should be re-

served for those procedures which would activate explosive devices or present a hazard to personnel or equipment.

10.1. Conferences and Technical Reviews. (T) Offerors shall propose sufficient conferences and reviews to allow insight into TO development processes and ensure contract compliance. **WR-ALC normally host an initial Guidance Conference or Technical Interchange Meeting (TIM) within 30-45 days of contract award to ensure mutual understanding of TO contract requirements, schedules, points of contact, etc.** Periodic In-Process Reviews (IPRs) and Prepublication Reviews (PPR) will be held at the 30% and 70% completion to ensure TOs are being developed according to contract requirements and that open discrepancies are cleared prior to publication. **NOTE:** PPRs are required for critical safety and nuclear surety procedures TOs, and may be required for other complex procedures TOs.

10.2. TO Certification. Offerors shall propose their method for documenting certification that TO procedures are accurate, adequate, current, and usable for their intended purposes.

10.3. Verification Support. Offerors shall propose the methods, equipment and personnel and personnel required to support government TO verification. This support should consist of at least representatives from the publication department, and if necessary engineering support to resolve technical questions.

10.4. First Article Testing (FAT). An in-work sample of each type of SGML-tagged TO file shall be forwarded to MSG/MMF concurrent with the IPR, to verify compliance of the digital files to Air Force DSSs. Five percent of the digital TO files to be delivered in Indexed Portable Document Format (IPDF) shall be provided as part of the prepublication reviews to verify compliance with the Technical Order Conversion Requirements (TOCR) (http://www.pdsm.wpafb.af.mil/toconv/Tocr_r1.doc).

11. TO and Source Data Maintenance. (T) If required, Offerors shall propose methods for maintaining accuracy, currency and configuration of TOs and source data throughout the contract period of performance. Maintenance includes preparation of TO and source data updates to incorporate corrections, equipment configuration changes, and maintenance and operational concept changes.

12. TO Delivery. (T) If required, Offerors shall propose practices and procedures for access to or delivery of digital TO files, including those for Preliminary TOs (PTOs), source data, reproduction masters, and program support data. Practices and procedures shall be compatible with the program's Contractor Integrated Technical Information Service (CITIS) agreement (if on contract) and Government Concept of Operations (GCO – located on the World Wide Web (WWW) at (<http://www.pdsm.wpafb.af.mil/to-syste.jtm>) TO file delivery formats shall be according to applicable CDRLs and the tailored TM Delivery Requirements Matrices included in Section 2 of this document.

12.1. SGML-Tagged Files. The government will parse and compose SGML-tagged TO document files prior to acceptance and verify that content tagging has been accomplished to the levels provided in the DTD. **NOTE:** The Internet address for public domain SGML parser software is "<ftp://ftp.jclark.com/pub/sgmls/>."

12.2. Indexed Adobe™ Portable Document Format (IPDF) Files. Indexing specifications for PDF TO files are contained in the Technical Order Conversion Requirements (TOCR) (http://www.ide.wpafb.af.mil/toconv/Tocr_r1.doc).

13. Schedules. Offerors shall include TO program events and schedules in their Program Schedule, and update the status throughout the period of performance. **NOTE:** AF policy requires delivery of verified

TOs prior to or concurrently with delivery of operational equipment to the field (AFPD 21-3). This policy will determine TO development and delivery schedules throughout the acquisition phase of a program.

14. Time Compliance Technical Orders (TCTOs). (T) If required Offerors shall propose practices and procedures to develop AF TCTOs and related TO updates when tasked as part of the approval process for Engineering Change Proposals (ECPs) to configured items. Costs for TCTO package development must be included in ECP Costs – not included as direct proposal costs. **NOTE:** ECPs are reviewed and approved by the Government's Configuration Control Board (CCB). When the CCB decides that a TCTO is the appropriate method of implementation, the contractor may be requested to develop the TCTO package for Air Force coordination and approval. See TO 00-5-15, AFMCI 21-302 and AFMCMAN 21-1 (<http://www.pdsm.wpafb.af.mil/toprac/to-syste.htm>) for a detailed description of the TCTO system.

15. TO Reproduction Management. Deleted.

16. Program Specific Requirements. The following paragraphs provide detailed development and delivery requirements for the **72KW Generator Set** program. The contractor shall develop new Operation and Maintenance manuals and separate Illustrated Parts Breakdown using MIL-STD-38784 (See Section 1). During technical manual development there shall be a **30% and 70% In-Process** review to monitor progress. Data shall be reviewed for compliance with applicable specification requirement (See Section 2). The technical manual deliverable table (Section 2 Part B) addresses preliminary review quantities, mailing dates and reproduction quantities and Delivery requirements. The Contractor shall be responsible for providing sufficient quantities of manuals for all attendees during formal reviews. All final delivered digital files shall consist of Native files, separate graphics files, and IPDF files and 1 Direct Image Copy.

17. Digital Data Transfer Spreadsheet. Microsoft Excel spreadsheets containing the digital files delivery information and TO metadata shall be included with each technical order delivery. However, if the spreadsheets cannot be delivered in Microsoft Excel format, other spreadsheet programs may be substituted upon obtaining approval from the TOMA. The spreadsheet shall also be delivered on the preferred media as described in paragraph 12 and may be on the same media as the technical data delivery.

17.1 Spreadsheet Entries. The following digital file and TO metadata are required in each spreadsheet. When specified the field size is the maximum size allowable. Fields can be blank when they are not applicable but cannot be omitted.

17.2 Digital File Transfer Information Data.

A record within the spreadsheet contains all the fields listed below.

<u>FIELD NAME</u>	<u>FIELD SIZE</u>	<u>TYPE</u>
Publication Number	40	CHAR
File Name	25	CHAR
File Format	25	CHAR
Authoring System	50	CHAR
Authoring System version	10	CHAR

17.3 TO Meta-Data.

The date format for the date fields is DD-MMM-YYYY. A record within the spreadsheet contains all the fields listed below.

<u>FIELD NAME</u>	<u>SIZE</u>	<u>TYPE</u>
Publication Number (TO/TCTO)	40	CHAR
Publication Date (TO/TCTO)	11	CHAR
Publication Title	As required	CHAR
Change Date	11	CHAR
Safety Supplement No.	3	CHAR
Change No.	3	CHAR
Safety Supplement Date	11	CHAR
Operation Supplement No.	3	CHAR
Operation Supplement Date	11	CHAR
Technical Order Page Supplement No. (TOPS)	3	CHAR
TOPS Date	11	CHAR
Routine Supplement	3	CHAR
Routine Supplement Date	11	CHAR
Supplement to a commercial manual or TCTO	3	CHAR
TCTO Date	11	CHAR
Data Code (unique to TCTOs)	10	CHAR
Former Technical Order Number	32	CHAR
Weapon System (F15, C130, etc.,)	10	CHAR
Part Number	15	CHAR
Model Number (A, B, etc.,)	5	CHAR
Manual Size	10	CHAR
Paper Stock (W/Y/G)	1	CHAR
Bleed Border Page	As required	CHAR
Color Page	As required	CHAR
Foldout Page	As required	CHAR
Category	As required	CHAR
Subcategory	As required	CHAR
Distribution Code	1	CHAR
Organization Identifier	10	CHAR
Total Pages Count	5	CHAR

SECTION 2. TM TYPE AND DELIVERY REQUIREMENTS

NOTES:

- Mark the TM Type Selection Tables indicating the applicable TO types and related specifications. For additional interface requirements see the program-specific Government Concept of Operations (GCO) and DOD 5000.2-R.
- Manuals delivered using this table and DI-TMSS-80067, CFAE/CFE Notices, must be reviewed and approved by the Air Force prior to delivery.
- IPBs are developed IAW MIL-PRF-38807, except that MIL-DTL-87929 will also be used for IPBs combined with work packages.
- All checklists, except aircrew and nuclear weapons checklists, are developed IAW MIL-PRF-5096.
- MIL-PRF-83495 requires DOD-STD-863 requirements to be levied on engineering data for preparation of end item wiring data and schematic diagrams.
- Delivery requirements are indicated in the TM Delivery Requirements matrices.
- For further information on Air Force Digital Data Strategy, see WWW address http://www.pdsm.wpafb.af.mil/datamgt/data_mgt.htm.
- MIL-STD-38784 Para. 4.6.2 Photographs/line drawings. Line drawings shall be used in lieu of photographs (Halftones).

PART A – TM TYPE SELECTION TABLES - TABLE 1
TMSS REQUIREMENTS FOR 72kW GENERATOR SET Program)
(System/Component)

Title or Type of Manuals	Specification	Required
1. Inspection TOs	MIL-PRF-5096	
a. Inspection and Maintenance Requirements (-6) Manual		<input type="checkbox"/>
b. Acceptance and Functional Check Flight (FCF) Procedures (-6CF) Manual		<input type="checkbox"/>
c. Acceptance and Functional Check Flight (-6CL) Checklist		<input type="checkbox"/>
d. Workcards		<input type="checkbox"/>
e. Inspection Requirements Cards		<input type="checkbox"/>
f. Flow/Sequence Charts		<input type="checkbox"/>
g. Checklists		
(1) Maintenance/Operations (Non-Aircrew)		<input type="checkbox"/>
(2) Operations (Aircrew)		<input type="checkbox"/>
2. Cargo Aircraft Loading and Offloading TOs	MIL-PRF-5288	
a. Manual		<input type="checkbox"/>
b. Checklists		<input type="checkbox"/>
3. Weight and Balance (Aircraft)	MIL-PRF-5920	
a. Loading Data Manual		<input type="checkbox"/>
b. Sample Basic Weight Checklists		<input type="checkbox"/>
4. Flight Manuals (see notes)	MIL-PRF-7700	
a. Flight Manual		<input type="checkbox"/>
b. Performance Data Manual		<input type="checkbox"/>
5. List of Applicable Publications	MIL-PRF-8031	<input type="checkbox"/>
6. Structural Repair Manuals (for Aircraft)	MIL-PRF-9854	<input type="checkbox"/>
7. Munitions/Weapons Loading Procedures, Non- nuclear and Nuclear	MIL-PRF-9977	
a. Nuclear Weapons Basic Information and Loading Procedures		<input type="checkbox"/>
b. Nuclear Weapons Loading Procedures		<input type="checkbox"/>
c. Non-nuclear Munitions Basic		<input type="checkbox"/>
d. Non-nuclear Loading Procedures		<input type="checkbox"/>
e. Integrated Combat Turnaround Procedures		<input type="checkbox"/>
f. Non-nuclear Munitions Loading Standard Data Packages (SDPs)		<input type="checkbox"/>
g. Loading Procedures Checklists		<input type="checkbox"/>
h. Integrated Loading Procedures Checklists		<input type="checkbox"/>
i. Nuclear Weapons Loading Procedure Checklists		<input type="checkbox"/>
j. Integrated Combat Turnaround Procedures Checklists		<input type="checkbox"/>
k. NATO Stage B Cross-Servicing Checklists		<input type="checkbox"/>

PART A – TM TYPE SELECTION TABLES - TABLE 1
TMSS REQUIREMENTS FOR 72KW GENERATOR SET Program)
(System/Component)

Title or Type of Manuals	Specification	Required
8. Mobile Training Sets (MTS) and Part Task Trainer TOs	MIL-PRF-9994	
a. Single Manual		<input type="checkbox"/>
b. Single Manual w/IPB		<input type="checkbox"/>
c. General/Systems Trainer Manuals		<input type="checkbox"/>
d. General/Systems Trainer Manuals w/IPB		<input type="checkbox"/>
e. Part Task Trainer Manuals		<input type="checkbox"/>
9. Space Operations and Support Documentation TOs		
-- Commercial specification (all space systems & missiles)	ANSI/AIAA-R024-1993 <input type="checkbox"/>	
-- MILSPEC (Intercontinental Ballistic Missiles)	MIL-PRF-38311 <input type="checkbox"/>	
-- MILSPEC (Space Systems)	MIL-PRF-38314 <input type="checkbox"/>	
a. Operations Manual		<input type="checkbox"/>
b. Operations Checklists		<input type="checkbox"/>
c. Technical Manuals and Related Checklists		<input type="checkbox"/>
10. Nuclear and Non-nuclear Weapon Delivery and Aircrew Procedures Manuals and Checklists	MIL-PRF-38384	
a. Non-nuclear Weapon Delivery Manual (Strategic Bomber & Tactical Aircraft)		<input type="checkbox"/>
b. Nuclear Bomb Delivery Manual (Strategic Bomber Aircraft)		<input type="checkbox"/>
c. Aircrew Nuclear Weapon Delivery Manual (Strategic Bomber Aircraft)		<input type="checkbox"/>
d. Aircrew Nuclear Weapon Delivery Manual (Tactical Aircraft)		<input type="checkbox"/>
e. Non-nuclear Weapon Delivery Checklist (Strategic Bomber & Tactical Aircraft)		<input type="checkbox"/>
f. Nuclear Bomb Delivery Checklist (Strategic Bomber Aircraft)		<input type="checkbox"/>
g. Aircrew Nuclear Weapon Delivery Checklist (Tactical Aircraft)		<input type="checkbox"/>
h. Non-nuclear Weapon Delivery Source Data Packages		<input type="checkbox"/>
11. Air Refueling Procedures	MIL-PRF-38413	
a. Manual		<input type="checkbox"/>
b. Checklist		<input type="checkbox"/>
12. Work Unit Code Manual	MIL-PRF-38769	<input type="checkbox"/>
13. Calibration Procedures	MIL-PRF-38793	<input type="checkbox"/>
14. Time Compliance Technical Orders (TCTOs)	MIL-PRF-38804	
15. Aircraft Battle Damage Assessment and Repair TOs	MIL-PRF-87158	<input type="checkbox"/>
16. Illustrated Parts Breakdown	MIL-PRF-38807	

PART A – TM TYPE SELECTION TABLES - TABLE 1
TMSS REQUIREMENTS FOR 72KW GENERATOR SET Program)
(System/Component)

Title or Type of Manuals	Specification	Required
17. On-Equipment Organizational Maintenance Manual Set (see notes)	MIL-PRF-83495	
a. General Equipment (GE) Manual		<input type="checkbox"/>
b. General System (GS) Manuals		<input type="checkbox"/>
c. Combined GE & GS Manual		<input type="checkbox"/>
d. Job Guide (JG) Manuals		<input type="checkbox"/>
e. Fault Reporting (FR) Manual		<input type="checkbox"/>
f. Fault Isolation (FI) Manual		<input type="checkbox"/>
g. Wiring Data (WD) Manual		<input type="checkbox"/>
h. Schematic Diagram (SD) Manual		<input type="checkbox"/>
18. Operation and Maintenance Instructions With IPB	MIL-STD-38784	X
a. Maintenance Manuals		
(1) Intermediate Maintenance		
(2) Depot Maintenance		
(3) Combined (I&D) Maintenance		<input checked="" type="checkbox"/>
(4) On Condition Maintenance		<input type="checkbox"/>
b. Operation & Maintenance Instruction Manuals		
c. Special Manuals		
(1) Aircraft Engine Testing and Trending Procedures		<input type="checkbox"/>
(2) Aircraft Power Package Testing Procedures		<input type="checkbox"/>
(3) Static Firing of Missile Motors		<input type="checkbox"/>
(4) System Peculiar Corrosion Control		<input type="checkbox"/>
(5) Nondestructive Inspection (NDI)		<input type="checkbox"/>
(6) Aircraft Structural Integrity Program (ASIP)		<input type="checkbox"/>
(7) ATE Operator Test Procedures		
(8) Special Requirements for Storage and Maintenance Procedures; AUR Munitions/Launchers and Associated Support Equipment, Conventional Components and CMBR Agents		<input type="checkbox"/>
(9) Parachute Packing Procedures		<input type="checkbox"/>
(10) Operators Instructions (Hand-Held Flight Computers)		<input type="checkbox"/>
(11) Installation-Engineering Facility (Ground C-E Equipment)		<input type="checkbox"/>
d. Checklists (IAW MIL-PRF-5096)		<input type="checkbox"/>
e. With Illustrated Parts Breakdown (see notes)		
19. Commercial Manuals (Evaluate according to MIL-HDBK-1221)		<input type="checkbox"/>
20. Aircraft Cross-servicing Guide	MIL-DTL-22202	<input type="checkbox"/>
21. Electronic Technical Manuals (Contact specification preparing activity for guidance.)	MIL-PRF-87268 MIL-PRF-87269	<input type="checkbox"/>

TABLE 2
ADDITIONAL TM TYPE SELECTIONS

NOTES:

- Check all applicable boxes.
- For commercial manual supplemental data only, under the specification heading, enter “Same style and format,” “MIL-PRF-38807” (for IPB data), or “MIL-STD-38784.”
- For existing MIL-SPEC manuals not being updated to latest specification requirements, enter “Same style and format” under the specification heading.

TO Number, Title, or Type of Manual	Specification	Com- mercial Manual	Change/ Revision	Supple- ment	Supple- mental TM	Source Data
1. _____		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. _____		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. _____		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. _____		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. _____		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. _____		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. _____		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. _____		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. _____		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. _____		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. _____		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PART B - TM DELIVERY REQUIREMENTS**FOR 72KW GENERATOR SET****TM DATA TYPE DELIVERED MIXED .***(TMSS/Change/Supplement/etc.)**(Replicate form for each TM type required.)***Delivery Format Requirements Codes****P**aper (draft or manuscript only. Cannot be used for final delivery)**M**ixed paper and digital (N/I)

Digital delivery only:

N. – Native (i.e., Framemaker, MS Word etc.)**I**. – **I**ndexed Portable Document Format (IPDF) File.**EXAMPLE:** M(N) / 2 [Paper and Native / 2 copies]**NOTES:**

- Delivery format requirements codes indicate the media/file format to be delivered for each program event.
- TCTO requirements are specified in the contract vehicle approving the TCTO.
- When on-line access (e.g., CITIS) is a contractual requirement, copy quantity will normally be Ø (zero).

<u>DELIVERY SCHEDULE</u>				
Event ⇨ Number of days data required prior to event ⇨ Enter Office Symbol and Address ↓ ↓	Technical Review(s) (30 Days) Enter delivery requirements code/copy quantities required ↓	Verification (30 Days) ↓	Prepublication Review (30 Days) ↓	*Final TO Distribution (90Days) ↓
WR-ALC/LKCB/Attn: Elizabeth Kirkland 460 Richard Ray Blvd. Suite 221 Robins AFB GA. 31098-1640	P / 5	P / 5	P/5	M/1
	/	/	/	/
NOTE: A minimum of 5 copies of manual will be provided for each Development Review.	/	/	/	/
* PTOs distribution 30 days prior to start of operational field-testing. Final TO distribution 90 days prior to delivery of the 72KW Generator Set Program to the Air Force.	/	/	/	/
.	/	/	/	/
	/	/	/	/
	/	/	/	/
Total Copies Required:	5	5	5	1

SECTION 3. SPECIFICATION/STANDARD INTERFACE RECORDS (SIRs)

NOTES:

- Most specification “Acquisition Requirements” list the same two items for paragraphs 6.2a and 6.2b. For this contract enter:
 - 6.2a. The title, number and date of each specification will be listed in the heading of the applicable SIR.
 - 6.2b. The issue of the DODISS used in this contract is (*enter date*).
- Tailoring out digital requirements may result in parsing failure of the delivered files. All such tailoring must be coordinated with the specification Preparing Activity (PA).
- All TM specifications applicable to this contract require an appropriately tailored SIR attached to this section. MIL-STD-38784 must be included in all contracts/proposals for AF TMSS-developed TOs.
- Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the DoD Single Stock Point (DODSSP) Acquisition Streamlining and Standardization Information System (ASSIST) web page, URL: <http://www.dodssp.daps.mil/assist.htm>.

STANDARDIZATION INTERFACE RECORD FOR MIL-DTL-22202D,

31 March 1999

Supplement 1,

31 March 1999

Manual, Technical, Aircraft Cross-Servicing Guide, Preparation of

The requirements of 6.2 are met in this SIR (see below).

1.1 In addition to paper delivery, when this specification is used to develop digital delivery files (document type definitions – DTDs) contact the PA for additional instructions.

2.3 Ensure the listing for STANAG/ASCC Air Standard Documents is current. List applicable STANAG/ASCC Air Standards below.
(List STANAG/ASCC Air Standard Documents here.)

2.2.1 (Added) “Other government documents, drawings, and publications.

DEPARTMENT OF DEFENSE

DOD 5200.1-R

DoD Information Security Program Regulation

DOD 5220.22-M

National Industrial Security Program Operating Manual

4. Replace with: “**VERIFICATION.**

“All cross-servicing guides shall meet the requirements of sections 3 and 5 of this specification, as required by the acquiring activity. The requirements set forth in this specification shall become a part of the contractor’s overall inspection system or quality program. The absence of any requirements in this specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the government for acceptance comply with all requirements of the contract. Use of sampling inspections shall be at the discretion of the contractor, and in accordance with commercially acceptable quality assurance procedures. However, use of sampling in QA procedures does not authorize submission of known defective material, either indicated or actual, nor does it commit the government to accept defective material.”

5. Replace with: “**PACKAGING.**

“5.1 Packaging Requirements. For acquisition purposes, the packaging requirements shall be as specified in the contract or order. When the actual packaging of material is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to determine packaging requirements. Packaging requirements are maintained by the Inventory Control Point’s packaging activity within the Military Department’s System Command. Packaging data retrieval is available from the Military Department’s or Defense Agency’s automated packaging files, CD-ROM products, or the responsible packaging activity.

“5.1.1 Encoded Computer Products. Packaging of encoded computer products for delivery shall be in accordance

with the requirements of MIL-STD-1840.

“5.1.2 Classified Material. Classified material shall be packaged and identified in accordance with DOD 5200.1-R, DOD 5220.22-M, and the implementing Service regulations.”

- 6.2a Title, number, and date of the specification are listed above.
- 6.2b Issue of DODISS: *(fill in issue of DODISS applicable to this contract)*
- 6.2c Packaging requirements (see above).
- 6.2d Verification requirements (see above).

STANDARDIZATION INTERFACE RECORD FOR MIL-STD-38784,

Notice 2,

2 July 1995

1 December 2000

**Standard Practice for Manuals, Technical:
General Style and Format Requirements**

4.5.1.13 Destruction Notice. Change the existing sentence to read: "...or X shall be marked with Handling and Destruction Notice "a" (below) on the cover/title..." Add a new second sentence as follows: "Unclassified TOs authorized for Public Release (Distribution Statement "A") shall be marked with disposition notice "b" (below) on the title or T-2 page."

4.5.1.13.a. Designate existing paragraph as "a. HANDLING AND DESTRUCTION NOTICE..."
Add: "See TO 00-5-2 for specific destruction procedures."

4.5.1.13.b (Added) b. DISPOSITION NOTICE - Refer to TO 00-5-2 for disposition instructions.

STANDARDIZATION INTERFACE RECORD FOR MIL-PRF-38804,

Amendment 1,

1 March 1996

20 June 1997

Time Compliance Technical Orders – Preparation

NOTE: Entries marked with an asterisk (*) will have to be manually entered and tagged in SGML files until the specification and its associated DTD and FOSI have been updated to incorporate the changes. The rescission date and statement will continue to appear in paragraph 3 of SGML-tagged TCTO files until the DTD and FOSI are updated.

Amendment 1 Delete entirely.

- 2.2.2 Change "AFM 67-1" to "AFMAN 23-110."
Add "AFMCMAN 21-1 - Air Force Materiel Command Technical Order System Procedures" at the end of the Air Force Instructions.
- 3.5.2g Add new line: "g. Rescission Date (see 3.5.2.6.1)" Renumber following paragraphs to "h" through "l".
- 3.5.2.4 Change 1st sentence to read: "...supplement thereto (see 3.6) provided by the acquiring activity on an AFMC Form 873 (see 6.5)."
- 3.5.2.5 Change 1st sentence to read: "...acquiring activity on an AFMC Form 873 (see 6.5)."
- * 3.5.2.6 Change 1st sentence to read: "...acquiring activity on an AFMC Form 873 (see 6.5)." Change last sentence to read: "...in the Y2K format: YYYYMMDD (see Figures 1 through 6)"
- * 3.5.2.6.1 (Added) "Rescission Date. The contractor shall enter the TCTO rescission date in the upper right corner of the first page immediately below the TCTO issue date. The rescission date will be specified on the AFMC Form 873 (see 6.5). The date will be in the government-approved Y2K format YYYYMMDD."
- 3.5.2.8 Add to the end of the paragraph: "See AFMCMAN 21-1 for additional guidance."

3.5.2.9.1d Change to read: "...reinstating and establishing a new rescission date for rescinded TO..."

3.5.2.9.4 Change "AFMC/AFCC" to "AFMC/AFCA/AFSPC"

* 3.5.3.3 Change "proofing" to "verification" (4 places)
Change last sentence to read: "...waived, the office symbol, e-mail address and Defense Switched Network (DSN) phone number of the approving official shall..."

3.5.5.3 Replace "a" through "d" with the following:

a. (Added) Routine Safety Inspection Organizational/Intermediate Level TCTOs. "Not later than (#) days after receipt of this TCTO. Affected system/equipment shall be removed from service if this TCTO is not accomplished within the specified number of days, or 60 days prior to the TCTO rescission date, whichever comes first. The specified number of days for accomplishment shall be provided on the AFMC Form 873 (see 6.5).

b. Routine Action, Organizational/Intermediate Level, Safety TCTO. "Not later than ____ days after receipt of (this TCTO) (kits) (parts) (special tools). Failure to accomplish this TCTO by the preceding specified number of days, or 60 days prior to the TCTO rescission date, whichever comes first, shall automatically restrict operations or shall be justification for withdrawing affected system/equipment from service until compliance is accomplished. The specified number of days for accomplishment shall be provided on an AFMC Form 873 (see 6.5).

c. Routine Action, Organizational/Intermediate Level TCTO. Organizational/Intermediate level TCTOs having a compliance period in terms of days shall read: "Not later than ____ days after receipt of (this TCTO) (kits) (parts) (special tools). Failure to accomplish the work by expiration of the compliance period, or 60 days prior to the TCTO rescission date, whichever comes first, shall be justification for withdrawing the affected system/equipment from service until compliance is accomplished. The specified number of days and requirements for accomplishment shall be provided on an AFMC Form 873 (see 6.5).

d. Routine Action, Organizational/Intermediate Level, Based Upon Maintenance Practice. When the time period for accomplishment cannot be specified as a certain number of days after receipt of the TCTO, kits, parts or special tools, the TCTO may specify compliance at the time a known maintenance event occurs, such as "At the time of removal from Emergency War Order (EWO) status (or During scheduled modernization action). If not complied with by (date), or 60 days prior to the TCTO rescission date, whichever comes first, the system/equipment shall be removed from active service until compliance with the TCTO is accomplished. The preceding phrase is an example of the type to be used and may be expanded or worded to the individual requirement as needed. Use of the phrases "upon failure," "upon accumulation" or "when reaching" are not authorized for any TCTO. The required statement shall be provided on an AFMC Form 873 (see 6.5).

e. Routine Action, Depot Level. These modifications require specified accomplishment at a time designated by the acquiring activity by means of the AFMC Form 873 (see 6.5) at overhaul, contractor team, force modernization, AFMC schedule or whatever other phrase that is most appropriate.

3.5.5.4 Add new sentence as follows: "The required statements shall be provided on an AFMC Form 873 (see 6.5)."

3.5.5.5 (Added in Amendment 1) Delete.

3.5.7.1.1.1 Change 4th and 5th lines to read: "...concept waived by (insert name/rank/office symbol/DSN phone number and e-mail address of the Lead Command POC authorizing a waiver of the complete..."

3.5.7.2 Change "proofing" to "verification" (2 places)

3.5.7.2.1 (Added) "For Inspection TCTOs, the AFSCs and manhours shall be based on Maintenance Data Collection (MDC) records. The equivalent work phases will be:

- a. Equipment preparation.
- b. Access work area.
- c. Perform inspection.
- d. Close work area.
- e. Operational check and documentation."

3.5.7.2.1 (Existing) Renumber as 3.5.7.2.2.

3.5.10.1.4 Delete "and AFMCM 66-20, Chapter 4 (-21 TOs)"

- 3.5.11.1 Change 1st sentence to read: "...the name, organization and office symbol, DSN telephone number, and e-mail address of the POC responsible..."
Change 2nd sentence to read: "...and the information for the POC authorizing..."
 - 3.6 Delete the last sentence ("All supplements shall be assigned a new data code number.")
 - 3.6.1 Change 1st sentence to read: "...supplement, or it explicitly changes the TCTO rescission date."
 - 3.6.6 Delete ", IF APPROVED BY THE MAJCOM," in the NOTE text.
 - 4.1 Change title to "Contractor Prototyping."
 - 4.1b Change to read: "...perform the prototyping functions specified..."
 - 4.1d Change to read: "...review any of the prototyping functions, when..."
 - 4.1.1 Change "verification" to "prototyping" (2 places)
 - 4.1.1d, e & f (Added) "d. Form, fit and function of TCTO kits and modified components.
 e. TO update accuracy.
 f. Proper function of the modified equipment."
 - 5.2 Replace with: "Bill of Materials. TCTO kits shall contain a Bill of Materials listing all of the items required to accomplish the TCTO. As a minimum, the format of the Bill of Material shall be as follows:"
 - 6.2l Change to read: "Issue and Rescission dates (see 3.5.2.6 & 3.5.2.6.1)."
 - 6.2x Delete.
 - 6.4.8 Change "verification" to "prototyping" (2 places)
 - 6.4.8a Add "Includes validating the form, fit, and function of any kits involved, accuracy of associated TO updates, and proper operation of the modified equipment."
 - 6.5 Change 1st sentence to read: "...are contained in AFMCMAN 21-1, Air Force Materiel Command Technical Order System Procedures."
 - 6.6 Add "prototyping" and "supplement" to key word list.
- Figures 3, 4 & 5 Change "Proofing" to "Verification" in each figure.